

Statement of Work

Polishing of Tapered Flat Plate Model

This statement of work refers to an existing flat plate model (Dwg. No. MAK12012010) that requires polishing on the upper flat test surface. This plate is machined from 15-5 stainless steel. It is 16 inches long, 9 inches wide at the leading edge, 3 inches wide at the trailing edge, and has a 15 degree beveled leading edge that ends with a thickness of approximately 0.003 inches. The surface finish on the existing model is currently a machine finish with a 16u" RMS roughness.

Item 1: The upper flat test surface of the model (surface indicated in Dwg. No. MAK12012010) shall be polished to a nominal surface roughness of 0.75u" Ra (1u" RMS) with no visible scratches at 3X magnification. The polishing operations shall leave the leading edge of the model visibly straight and free of any burrs or imperfections. There shall be no appreciable change in the leading-edge thickness.

Item 2: To prevent roll off at the edges of the plate surface due to the polishing operation, the customer shall provide a frame that extends the perimeter of the surface to be polished (Dwg. No. MAK05162011-1). The vendor shall provide guidance on the frame design and the appropriate material for the frame.